A.D

PATENT COOPERATIO: TREATY

From the INTERNATIONAL BUREAU

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

Assistant Commissioner for Patents United States Patent and Trademark Office

Box PCT Washington, D.C.20231 ÉTATS-UNIS D'AMÉRIQUE

Date of mailing (day/month/year)
27 January 2000 (27.01.00)

International application No.
PCT/SE99/00821

International filing date (day/month/year)
12 May 1999 (12.05.99)

Applicant

ANDERSSON, Lars

1.	The designated Office is hereby notified of its election made:
	X in the demand filed with the International Preliminary Examining Authority on:
	10 December 1999 (10.12.99)
į	in a notice effecting later election filed with the International Bureau on:
2.	The election X was
	was not
1	made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland **Authorized officer**

C. Cupello

Telephone No.: (41-22) 338.83.38

Facsimile No.: (41-22) 740.14.35

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REC'D 13 SEP 2000

INTERNATIONAL PRELIMINARY EXAMINATION WEEPORT

PCT

(PCT Article 36 and Rule 70)

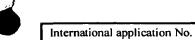
See Notification of Transmittal of International Applicant's or agent's file reference FOR FURTHER ACTION Preliminary Examination Report (Form PCT/IPEA/416) P 04762PC00 Priority date (day/month/year) International filing date (day/month/year) International application No. 15.0**5**.1998 12.05.1999 PCT/SE99/00821 International Patent Classification (IPC) or national classification and IPC7 G06F 3/147

G06F 3/147	
Applicant PRICER AB et al	
This international preliminary examination report has been p Authority and is transmitted to the applicant according to Ar	repared by this International Preliminary Examining ticle 36.
2. This REPORT consists of a total of 5 sheets,	including this cover sheet.
This report is also accompanied by ANNEXES, i.e., si been amended and are the basis for this report and/or some (see Rule 70.16 and Section 607 of the Administrative	heets of the description, claims and/or drawings which have sheets containing rectifications made before this Authority Instructions under the PCT).
These annexes consist of a total of sheets.	
This report contains indications relating to the following iter	ns:
I Basis of the report	
II Priority	
III Non-establishment of opinion with regard to no	ovelty, inventive step and industrial applicability
IV Lack of unity of invention	
V Reasoned statement under Article 35(2) with reand explanations supporting such statement	egard to novelty, inventive step or industrial applicability; citations
VI Certain documents cited	
VII Certain defects in the international application	
VIII Certain observations on the international application	cation
Date of submission of the demand	Date of completion of this report
10.12.1999	08.08.2000
Name and mailing address of the IPEA/SE	Authorized officer
Patent- och registreringsverket Box 5055 S-102 42 STOCKHOLM PATOREG-S	Göran Magnusson /itw

Telephone No. 08-782 25 00 Facsimile No. 08-667 72 88



INTERNATIONAL PRELIMINARY EXAMINATION REPORT



PCT/se99/00821

I. Basis of th	ie report		
1. This report under Article	has been drawn or 14 are referred to in	the basis of (Replacement she this report as "originally filed"	ets which have been furnished to the receiving Office in response to an invitation and are not annexed to the report since they do not contain amendments.):
\boxtimes	the international	application as originally file	d.
	the description,	pages	, as originally filed,
		pages	, filed with the demand,
		pages	, filed with the letter of,
		pages	, filed with the letter of
	the claims,	Nos.	, as originally filed,
	,		, as amended under Article 19,
			, filed with the demand,
			, filed with the letter of,
			, filed with the letter of
	the drawings,	sheets/fig	, as originally filed,
		sheets/fig	, filed with the demand
		sheets/fig	, filed with the letter of,
		sheets/fig	, filed with the letter of
2. The amends	ments have resulte	d in the cancellation of:	
2. The amendi	the description,		
			-
	the claims,	Nos.	<u>-</u>
	the drawings,	sheets/fig	
			-
<u> </u>		. 11.1. 1	
			e amendments had not been made, since they have been considered to go supplemental Box (Rule 70.2(c)).
4. Additional	observations, if no	ecessary:	
SEE	Supplemen	UTAL BOX	
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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/se99/00821

V.	Resoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;
	citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims Claims	1-6	YES NO
Inventive step (IS)	Claims Claims	1-6	YES NO
Industrial applicability (IA)	Claims	1-6	YES NO

2. Citations and explanations

The claimed invention relates to a method and a device for reducing the power consumption of an electronic label. According to the invention the label comprises control means for supplying a transmitter capacitor with power from a charge pump after a signal intended for said label has been received.

The following documents were cited in the Search Report:

D1 : US 5689239 A
D2 : US 5723854 A
D3 : US 5544041 A

The International Preliminary Examination Report is established on the original claims.

D1 discloses an electronic label comprising means for extracting power from an interrogation field and charge pump means for derivation of a higher programming voltage.

D2 discloses an electronic label comprising a voltage-increasing booster for power supply to a memory device.

D3 discloses a system for reducing the power consumption of a price display terminal comprising switching the terminal from a standby mode into an enable mode by means of a transmitted start signal.

However, the solution according to the claimed invention, especially the selective connection of a charge pump means to a transmitter capacitor by means of a received signal, is not known from the cited documents D1-D3 and is not considered to be obvious to a person skilled in the art.

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International application No.

	PCT/se99/00821
Supplemental Box (To be used when the space in any of the preceding boxes is not sufficient)	
Continuation of: V	
Therefore, the invention claimed in clast to be novel (N), to involve an inventive have industrial applicability (IA).	ims 1-6 is considered step (IS) and also to
,	





International application No.

PCT/se99/00821

Supplemental Box

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of:

Amended claims were filed 10-12-1999. The amendments must be regarded to go beyond the disclosure in the application as filed (Article 34(2)(b)).

In the description it is stated that the charge pump means is connected to the transmitter capacitor after a signal intended for said label has been received, possibly after control logic means in the control means has decided if a reply is needed or not. This neither states or implies that "control means determining when it is likely that the label will need to transmit" as said in the amended independent claims 1 and 3.

Therefore, the international preliminary examination report is established on the original claims as if the amendments had not been made.



(51) International Patent Classification 6:





INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

Αî

(21) International Application Number: PCT/SE99/00821
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15 May 1998 (15.05.98)
SE

(71) Applicant (for all designated States except US): PRICER AB [SE/SE]; Kristallen, S-754 51 Uppsala (SE).

(72) Inventor; and

G06F 3/147

(75) Inventor/Applicant (for US only): ANDERSSON, Lars [SE/SE]; Blomgatan 10A, S-752 31 Uppsala (SE).

(74) Agent: LUDWIG BRANN PATENTBYRÅ AB; P.O. Box 1344, S-751 43 Uppsala (SE).

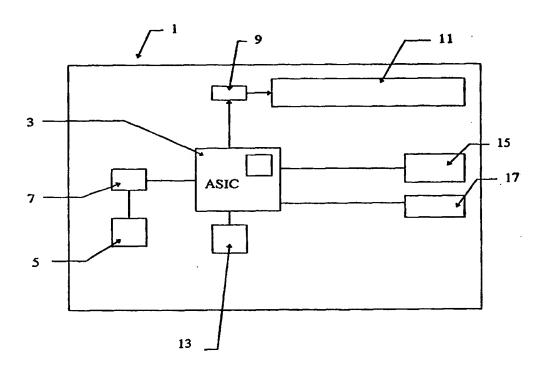
(81) Designated States: AE, AL, AM, AT, AT (Utility model), AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, CZ (Utility model), DE, DE (Utility model), DK, DK (Utility model), EE, EE (Utility model), ES, FI, FI (Utility model), GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK (Utility model), SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published

With international search report.

Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

(54) Title: REMOTELY CONTROLLED POWER SUPPLY IN AN ELECTRONIC LABEL



(57) Abstract

The present invention relates to a method and device for reducing the power consumption of an electronic label (1). The label (1) comprises control means (3) for supplying a transmitter (17) with power from a charge pump (23) after a signal intended for said label (1) has been received by label receiver means (15).

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 99/00821

		LC1/2E 33/0	0821	
A. CLASS	SIFICATION OF SUBJECT MATTER,			
TDC6 · G	G06F 3/147			
According to	International Patent Classification (IPC) or to both na	tional classification and IPC		
	S SEARCHED			
Minimum de	ocumentation scarched (classification system followed by	elassification symbols)		
IPC6: 0				
	ion searched other than minimum documentation to the FI,NO classes as above	extent that such documents are included in	n the fields searched	
Electronic d	ata base consulted during the international search (name	of data base and, where practicable, search	terms used)	
WPI				
C. DOCU	MENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where app	propriate, of the relevant passages	Relevant to claim No.	
A	US 5689239 A (LEIGH HOLBROOK TUR 18 November 1997 (18.11.97), line 64 - column 5, line 4; line 47 - line 67; column 13	column 4, column 11,	1-6	
A	US 5723854 A (JEAN CLAUDE BERNEY (03.03.98), column 3, line 4 abstract		1-6	
A	US 5544041 A (YOSHIHIKO NEKOMOTO (06.08.96), column 2, line 4		1-6	
Furth	er documents are listed in the continuation of Box	C. X See patent family anne	х.	
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"1." docume	ocument but published on or after the international filing date ont which may throw doubts on priority claim(s) or which is establish the publication date of another citation or other	"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone		
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Date of the	e actual completion of the international search	Date of mailing of the international		
18 Octo	ober 1999	2 0	-10 - 1999	
Name and	mailing address of the ISA/	Authorized officer		
Box 5055	Patent Office , S-102 42 STOCKHOLM No. +46 8 666 02 86	Göran Magnusson/MN Telephone No. + 46 8 782 25 00		
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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No. PCT/SE 99/00821

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